

**In the Claims:**

1. (Previously Presented) A method comprising:  
providing a line card having:
  - a digital signal processor for manipulating data received by the line card;
  - a transmit channel and a receive channel coupled to a combined transmit and receive channel, the combined transmit and receive channel for transmitting and receiving communications with the line card;
  - wherein the transmit channel comprises a first amplifier for amplifying a signal in the transmit signal and the receive channel comprises a second amplifier for amplifying a signal in the receive channel;
  - one or more electrical components in the combined channel;
  - a switch disposed in the combined channel;terminating the combined channel with a termination network, the termination network having a desired impedance;  
transmitting a test signal through at least a portion of the transmit channel toward the combined channel;  
detecting, by the digital signal processor, any resulting signal in the receive channel;  
wherein the desired impedance is approximately equal to a characteristic impedance of a communication line conventionally used with the line card; and  
wherein the characteristic impedance is 100 ohms.
2. (Original) The method of Claim 1, wherein the transmit channel and the receive channel are coupled to the combined channel by a hybrid.
3. (Original) The method of Claim 1, wherein the one or more electrical components comprises a transformer.
4. (Original) The method of Claim 1, wherein the one or more electrical components comprises a connector.
- 5-6. (Cancelled)

7. (Original) The method of Claim 1, wherein transmitting a test signal through at least a portion of the transmit channel toward the combined channel further comprises transmitting a test signal to the termination network.

8. (Original) The method of Claim 7, wherein detecting, by the digital signal processor, any resulting signal in the receive channel comprises detecting a signal reflected by the termination network.

9. (Original) The method of Claim 1, wherein detecting, by digital signal processor, any resulting signal in the receive channel comprising detecting no reflected signal from the termination network.

10. (Original) The method of Claim 1, wherein detecting, by digital signal processor, any resulting signal in the receive channel comprising detecting a signal reflected by one of the one or more components.

11. (Original) The method of Claim 1, and further comprising filtering, within the transmit channel, the transmitted signal.

12. (Original) The method of Claim 1, and further comprising filtering, within the receive channel, any reflected signal.

13. (Previously presented) The method of Claim 1, and further comprising terminating, by the switch, any test signal in the combined channel and then again detecting, by digital signal processor, any resulting signal in the receive channel.

14. (Original) The method of Claim 1, and further comprising comparing the detected signal to an expected signal.

15. (Original) The method of Claim 1, wherein the termination network is formed on the line card.

16. (Original) The method of Claim 1, wherein the termination network is formed external to the line card.

17-44. (Cancelled)